



Residential Gas Water Heaters

ProMax®

ProMax® is an economical water heater designed for households that need an exceptional performer that provides long-lasting value.

INTELLIGENT CONTROL LOGIC

The internal microprocessor provides enhanced operating parameters and tighter differentials for precise sensing and faster heating response to optimize performance.

SELF-POWERED ELECTRONIC GAS VALVE

Uses a thermopile to generate the power needed to operate the electronic gas control without requiring an external power source.

DIAGNOSTICS

The electronic gas control incorporates an LED status indicator that monitors system operation & service diagnostics.

DYNACLEAN™ DIFFUSER DIP TUBE

Helps reduce lime and sediment buildup, maximizes hot water output. Made from long-lasting PEX cross-linked polymer.

COREGARD™ ANODE ROD

A. O. Smith's exclusive aluminum anode has a stainless steel core, protects tank against corrosion.

PUSH-BUTTON PIEZO IGNITOR

Makes lighting pilot fast and easy with one-hand push-button spark ignition.

DURABLE, TAMPER-RESISTANT BRASS DRAIN VALVE

BLUE DIAMOND® GLASS COATING

Provides superior corrosion resistance compared to industry-standard glass lining.

FLAMMABLE VAPOUR IGNITION RESISTANT COMPLIANT DESIGN

See other side.

8-YEAR LIMITED TANK AND 6-YEAR PARTS WARRANTY

For complete information, consult written warranty or A. O. Smith Water Products Company.



SERIES 300/301





Residential Gas Water Heaters

ProMax[®] SERIES 300/301

CAPACITY & DIMENSIONS

MODEL	SERIES	FIRST HOUR RATING GALLONS	ENERGY FACTOR	GALLON CAPACITY	BTU INPUT PER HOUR NATURAL†	RECOVERY 90°F RISE GALLONS PER HOUR	DIMENSIONS IN INCHES						DRAFT HOOD OUTLET	APPROXIMATE SHIPPING WEIGHT (LBS)	BC COMPLIANT
							A	B	C	D	E	F			
TALL MODELS															
GCV 30	300	67	.61	30	35,500	36	61-1/2	58	16	13	8	52	3 or 4	112	—
GCV 40	300	70	.59	40	40,000	41	61-3/4	58-1/4	18	13	8	51-3/4	3 or 4	138	—
GCV 50	300	88	.58	50	40,000	41	60-3/4	57	20	13	8	50-3/4	3 or 4	153	—
SHORT MODELS															
GCVL 30	300	60	.61	30	35,500	36	50	46-3/8	18	13-1/2	8	40	3 or 4	112	—
GCVL 40	300	66	.59	40	40,000	41	51-1/2	47-3/4	20	13	8	41	3 or 4	135	—
GCVL 50	100	80	.61	50	40,000	41	53-1/4	48-3/4	24	13-3/8	8	43-1/2	3 or 4	168	√

Recovery capacity based on actual performance tests.

Water Connections – 3/4" on all models.

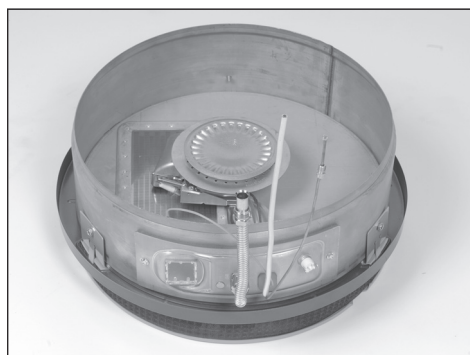
† Propane Gas – 36,000 BTU for 40 gallon models and 32,000 BTU input for 30 gallon models.

Heat Trap Nipples factory-installed on all models.

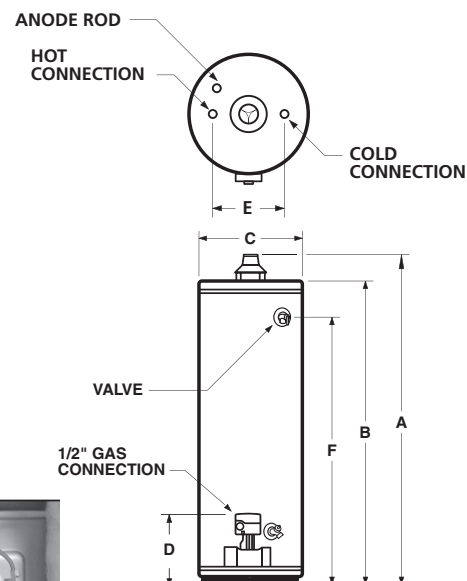
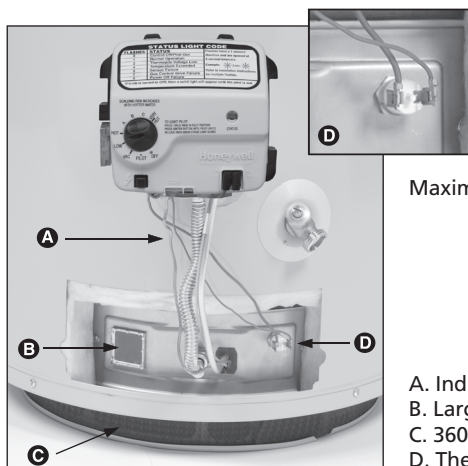
Flammable Vapour Ignition Resistant (FVIR) Water Heaters

A. O. Smith FVIR design meets the American National Standards Institute standards (ANSI Z21.10.1 - CSA 4.1) that deal with the accidental or unintended ignition of flammable vapours, such as those emitted by gasoline.

Features a sealed combustion chamber with air intake filter and a flame arrestor built into the water heater base. In addition, a thermal cutoff (TCO) device, is designed to shut off gas flow to the burner and pilot if poor combustion is detected.



If flammable vapours accidentally enter the combustion chamber, the arrestor is designed so flames burn off the top surface and can not escape down through the arrestor.



Maximum Hydrostatic Working Pressure: 150 PSI.

- A. Industry standard thermopile
- B. Large View Port for easy burner inspection
- C. 3600 combustion air filter
- D. Thermal Cutoff (TCO) with manual reset

For Technical Information, call 1-888-479-8324. A. O. Smith reserves the right to make product changes or improvements without prior notice.